Record in the Commens Bibliography. Retrieved from

Campos, Daniel G.

http://www.commens.org/bibliography/journal article/campos-daniel-g-2009-imaginationconcentration-and-generaliz ation-peirce, 06.11.2025.

Type: Article in Journal **Author:**

Title: Imagination, Concentration, and Generalization: Peirce on the Reasoning

Abilities of the Mathematician

Year: 2009

Journal: Transactions of the Charles S. Peirce Society

Volume: 45 Issue: 2

135-156 Pages:

Keywords: Mathematical Reasoning, Mathematics

Abstract: The article focuses on the mathematical theories of American mathematician

> and philosopher Charles Sanders Peirce, focusing on ideas related to imagination, concentration, and generalization in the epistemology of mathematical reasoning. The author considers Peirce's the logical systems of mathematical inquiry, his theories regarding the patterns of scientific reasoning, and the role of experience in creative thought processes. The geometry found in Euclid's "Elements" are used to demonstrate Peirce's

theories.

00091774 ISSN:

Language: English